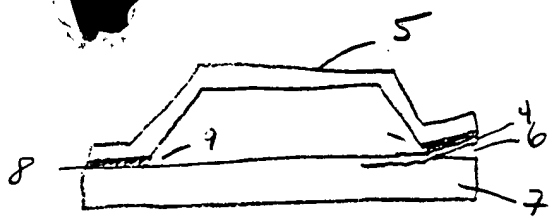


Fig 1

Prior Art

Step 1

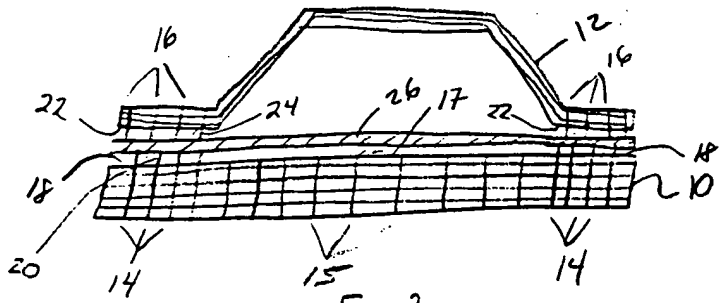
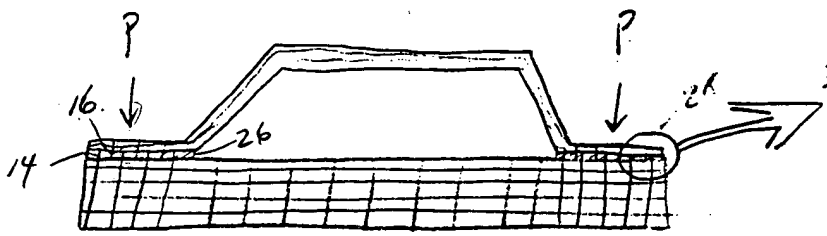


Fig 2

Step 2



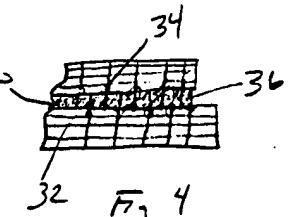


Fig 4

Fig 3.

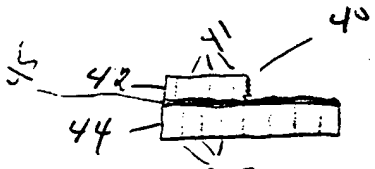


Fig 5

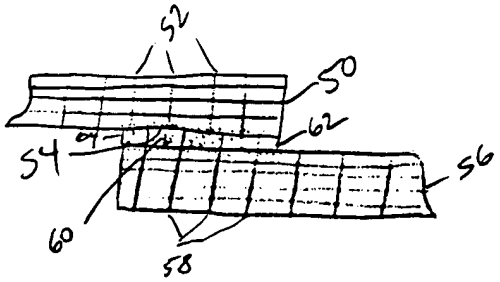


Fig 6

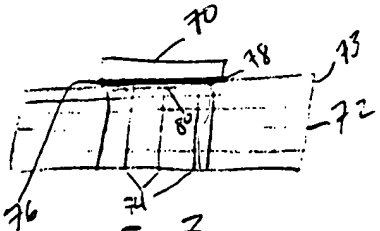


Fig 7

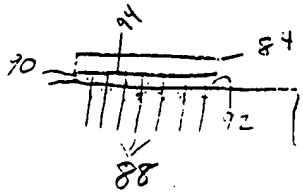


Fig 8

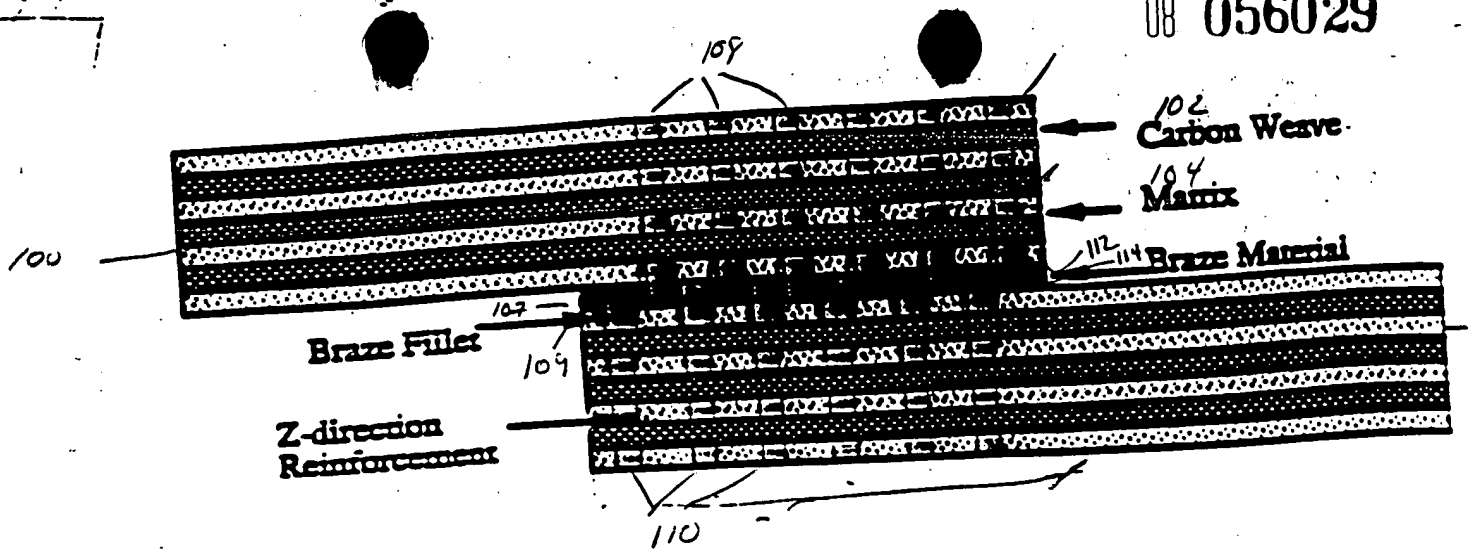

109
102
Carbon Weave
104
Matrix
100
112
114
Braze Material
107
Braze Fillet
109
Z-direction
Reinforcement
110

Fig 9

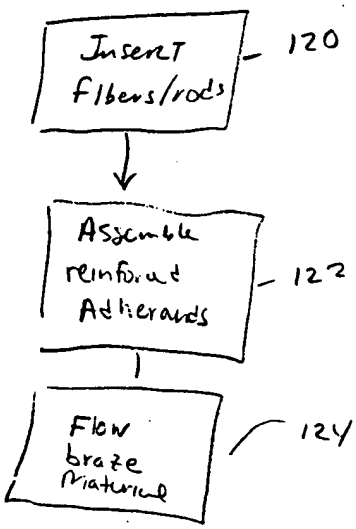

Insert
Fibers/rods
120
Assemble
reinforced
Adherends
122
Flow
braze
material
124

Fig 10

08 056029

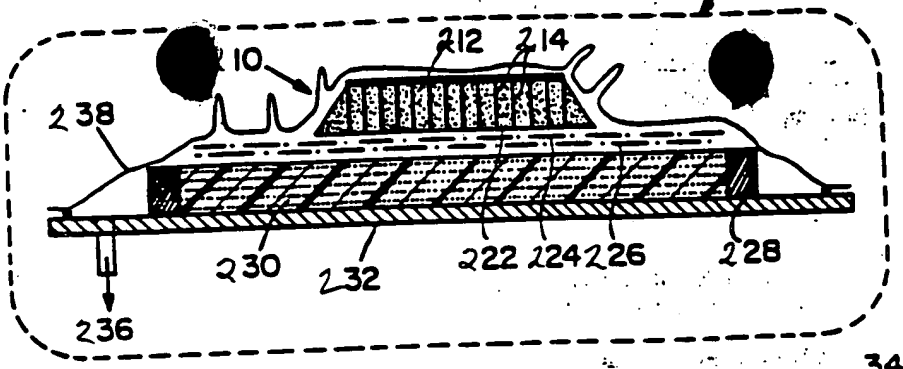


Fig. 4 11

STEP 1

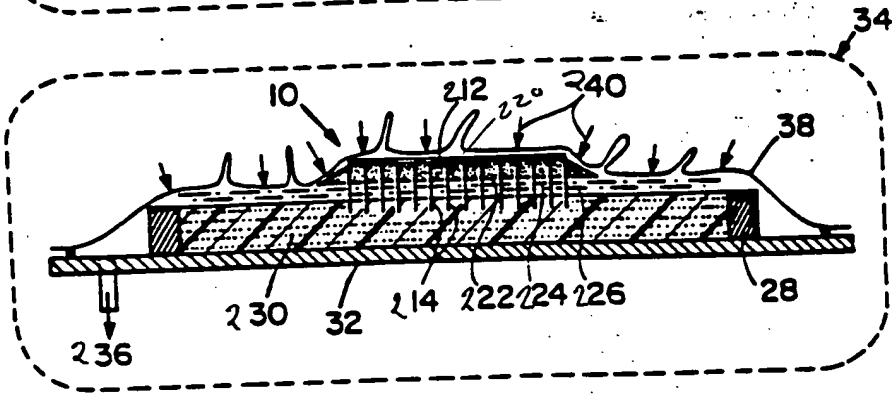


Fig. 5 12

STEP 2

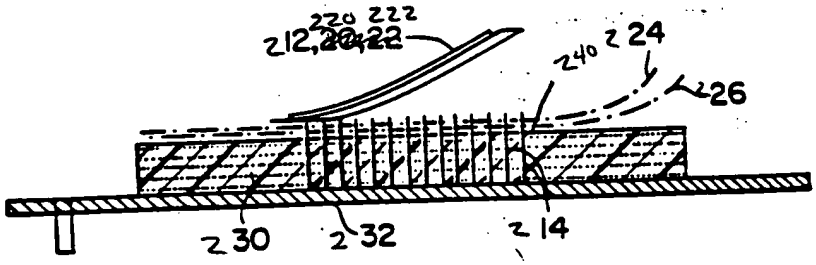


Fig. 6 13

STEP 3

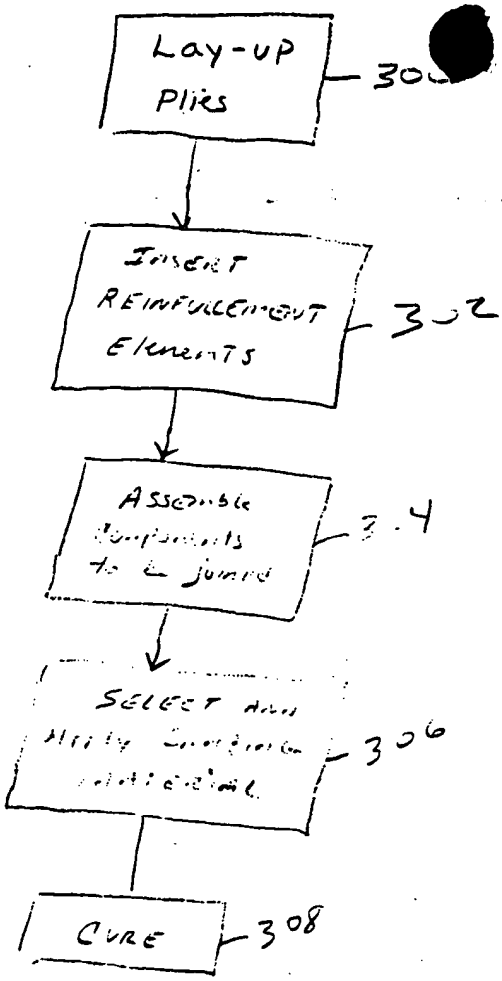

Lay-up Plies
302
Insert Reinforcement Elements
304
Assemble Components to be Joined
306
Select and Apply Compaction
308
Cure

Fig. 14

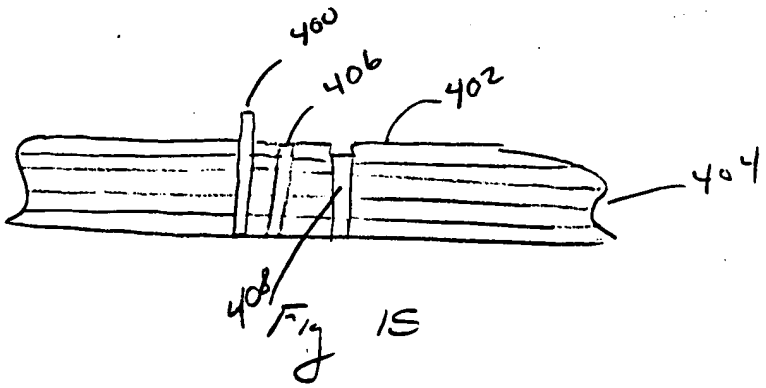


Fig 15